

What is claimed is:

1. A sound system for playing a song, comprising:
a generator device that produces an accompaniment
5 sound;
a input device that collects a singing voice
which is physically sung along the accompaniment sound;
a main channel comprising a mixer device that
mixes the singing voice collected by the input device and
10 the accompaniment sound and generates a mixed output,
thereby effecting play of the song; and
a vocal channel that receives the singing voice
collected by the input device and generates a vocal output,
separate from the mixed output, thereby effecting dedicated
15 output of the singing voice along with the song.
2. The sound system of claim 1 further comprising:
a first transducer for transduction of the mixed
output; and
20 a second transducer for transduction of the vocal
output.
3. The sound system of claim 2, wherein:

the first transducer comprises a first
loudspeaker; and

the second transducer comprises a second loud
speaker.

5

4. The sound system of claim 1, wherein the input
device comprises a microphone.

5. The sound system of claim 1, wherein the main
10 channel further comprises an amplifier for amplifying the
mixed output.

6. The sound system of claim 1, wherein the vocal
channel comprises a first audio signal processor to
15 generate the vocal output with desired characteristics.

7. The sound system of claim 6, wherein the signal
processor comprises an amplifier.

20 8. The sound system of claim 6, wherein the signal
processor further includes a control device for user
control of the signal processor functions.

9. The sound system of claim 1 further comprising a synchronization circuit that provides feedback, suppression and/or control between the vocal channel and the main channel.

5

10. A karaoke apparatus for playing a karaoke song, comprising:

a generator device that produces an orchestral accompaniment sound signal;

10 a first input device that collects a singing voice which is physically sung along the orchestral accompaniment sound and generates a vocal signal;

a mixer device that mixes the vocal signal from the input device and the orchestral accompaniment sound
15 signal from the generator device, to generate a mixed output signal, thereby effecting play of the karaoke song; and

a vocal channel that receives the vocal signal from the input device and generates a vocal output signal,
20 separate from the mixed output signal, thereby effecting dedicated play of the singing voice along with the karaoke song.

11. The karaoke apparatus of claim 10 further comprising:

a first transducer for transduction of the mixed output signal; and

5 a second transducer for transduction of the vocal output signal.

12. The karaoke apparatus of claim 11, wherein:

the first transducer comprises a first

10 loudspeaker; and

the second transducer comprises a second loud speaker.

13. The karaoke apparatus of claim 10, wherein the

15 input device comprises a microphone.

14. The karaoke apparatus of claim 10, further comprising an amplifier for amplifying the mixed output signal.

20

15. The karaoke apparatus of claim 14, wherein the amplifier is a stereo amplifier.

16. The karaoke apparatus of claim 10, wherein the vocal channel comprises a first audio signal processor for processing the vocal signal to generate the vocal output signal with desired characteristics.

5

17. The karaoke apparatus of claim 16, wherein the signal processor comprises an amplifier for amplifying the vocal signal to generate the vocal output signal.

10

18. The karaoke apparatus of claim 17, wherein the amplifier further includes a gain controller for controlling the amplification of the vocal signal.

15

19. The karaoke apparatus of claim 10 further comprising a second input device that collects another singing voice and generates a second vocal signal, wherein the second vocal signal is provided to the vocal channel.

20

20. A karaoke method of playing a karaoke song, comprising:

providing an orchestral accompaniment sound;
collecting a singing voice which is physically sung along the orchestral accompaniment sound;

mixing the collected singing voice and the
orchestral accompaniment sound, and generating a mixed
output, thereby effecting play of the karaoke song; and

generating a vocal output from the collected
5 singing voice, separate from the mixed output, thereby
effecting dedicated play of the singing voice along with
the karaoke song.

21. The method of claim 20 further comprising the
10 steps of:

providing a first transducer for transduction of
the mixed output; and

providing a second transducer for transduction of
the vocal output.

15

22. The method of claim 21, wherein:

the first transducer comprises a first
loudspeaker; and

the second transducer comprises a second loud
20 speaker.

23. The method of claim 20, wherein collecting the
signing voice comprises the steps of collecting the signing
voice using a microphone.

24. The method of claim 20, further comprising the steps of amplifying the mixed output.

5 25. The method of claim 20, wherein the step of generating the vocal output further comprises the step of processing the vocal output signal to provide desired audio characteristics in the vocal output.

10 26. The method of claim 25, wherein the step of processing the vocal output includes the steps of amplifying the vocal output.

15 27. The method of claim 26, wherein the step of amplifying the vocal output further comprises the steps of controlling the level of amplification of the vocal output.